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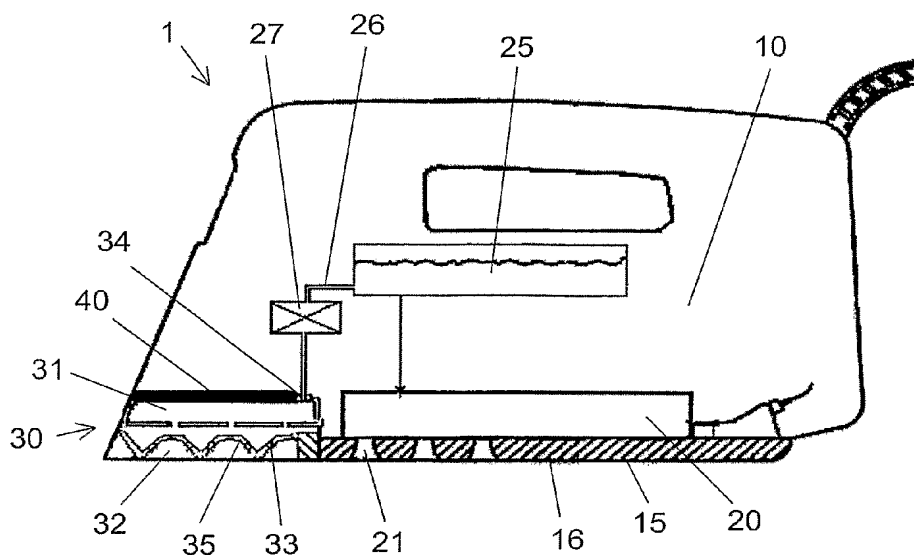
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(54) Title: STEAM IRONING DEVICE HAVING VORTEX GENERATING ELEMENTS FOR OBTAINING VORTICES IN THE STEAM FLOW



(57) Abstract: A steam iron (1) comprises a steam conditioning device (30) having two vortex chambers (31, 32). Inside the vortex chambers (31, 32), directing means such as a conduit for directing a steam flow toward outlets (33) of the steam conditioning device (30) are arranged. Further, inside the vortex chambers (31, 32), vortex generating means are arranged, which are arranged along a path followed by the steam flow, and which are adapted to creating local pressure differences in the steam flow in order to obtain local vortices in the steam flow. By means of the vortices, during operation of the steam conditioning device (30), water drops which are present in the steam flow are broken down to a smaller particle size. In this way, the steam conditioning device (30) is capable of producing mist-steam or dry steam.

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